

We Claim:

1. A communications earpiece comprising:
  - 5 a transducer enclosure portion;
  - a transducer housed generally within the transducer enclosure portion;
  - a sound horn; and
  - a generally tubular connection member for channeling sound from the transducer enclosure portion to the sound horn; wherein
  - 10 the connection member has a first adjustment means for allowing rotation of the connection member relative to the transducer enclosure portion; and
  - the connection member has a second adjustment means for allowing movement of the sound horn selectively toward and/or away from the transducer enclosure portion.
- 15 2. The communications earpiece of claim 1, wherein:
  - the first adjustment means includes a generally hollow cylindrical projection on the transducer enclosure and a hollow cylindrical end portion on the connection member.
3. The communications earpiece of claim 2, wherein:
  - 20 the cylindrical end portion is rotatably affixed to the cylindrical projection.
4. The communications earpiece of claim 2, wherein:
  - the cylindrical end portion is rotatably affixed over the cylindrical projection.
- 25 5. The communications earpiece of claim 1, wherein:
  - the second adjustment means includes a generally hollow cylindrical projection on the sound horn and a hollow cylindrical end portion on the connection member.

6. The communications earpiece of claim 5, wherein:

the cylindrical end portion is slidably affixed to the cylindrical projection such that the cylindrical end portion can be moved longitudinally along at least a portion of the length of the cylindrical projection.

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7. The communications earpiece of claim 5, wherein:

the cylindrical end portion is slidably affixed over the cylindrical projection such that the cylindrical end portion can be moved longitudinally along at least a portion of the length of the cylindrical projection.

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8. The communications earpiece of claim 2, wherein:

the cylindrical end portion is rotatably affixed to the cylindrical projection.

9. The communications earpiece of claim 2, wherein:

15 the cylindrical end portion is rotatably affixed over the cylindrical projection.

10. The communications earpiece of claim 1, and further including:

a third adjustment means for allowing rotation of the sound horn in relation to the connection member.

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11. The communications earpiece of claim 10, wherein:

the second adjustment means and the third adjustment means are a single connection; wherein

the connection includes a generally hollow cylindrical projection on the sound horn and a  
25 hollow cylindrical end portion on the connection member.

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12. The communications earpiece of claim 11, wherein:

the cylindrical end portion is slidably affixed to the cylindrical projection such that the cylindrical end portion can be moved longitudinally along at least a portion of the length of the cylindrical projection.

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13. The communications earpiece of claim 11, wherein:

the cylindrical end portion is slidably affixed over the cylindrical projection such that the cylindrical end portion can be moved longitudinally along at least a portion of the length of the cylindrical projection.

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14. The communications earpiece of claim 11, wherein:

the cylindrical end portion is rotatably affixed to the cylindrical projection.

15. The communications earpiece of claim 11, wherein:

15 the cylindrical end portion is rotatably affixed over the cylindrical projection.

16. The communications earpiece of claim 10, wherein:

the connection member is bent, such that the connection member can rotate in relation to the transducer enclosure portion about a first axis; and

20 the sound horn can rotate in relation to the connection member about a second axis.

17. The communications earpiece of claim 1, wherein:

the transducer enclosure portion is adapted for hooking over the top of the user's ear.

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18. A communications earpiece, comprising:

a transducer enclosure portion;

a transducer housed generally within the transducer enclosure portion;

a sound horn; and

a generally tubular connection member for channeling sound from the transducer enclosure portion to the sound horn; wherein

the transducer enclosure portion has a first generally hollow projection;

the sound horn has a second generally hollow projection;

the connection member is rotatably affixed at one end to the first generally hollow projection; and

the connection member is rotatably affixed at the other end to the second generally hollow projection.

19. The communications earpiece of claim 18, wherein:

one end of the connection member fits over the first generally hollow projection; and

the other end of the connection member fits over the second generally hollow projection.

20. The communications earpiece of claim 18, wherein:

the connection member is bent such that the connection member can rotate in relation to the transducer enclosure portion about a first axis; and

the sound horn can rotate in relation to the connection member about a second axis.

21. The communications earpiece of claim 18, wherein:

the second generally hollow projection is elongated such that the connection member can be moved longitudinally along at least a portion of the length of the second generally hollow projection.

22. A communications earpiece, comprising:

a transducer enclosure portion;

a transducer housed generally within the transducer enclosure portion;

a sound horn; and

5 a generally tubular connection member for channeling sound from the transducer enclosure portion to the sound horn; wherein

the transducer enclosure portion has a first generally hollow projection;

the sound horn has a second generally hollow projection;

10 the connection member is rotatably affixed at one end to the first generally hollow projection; and

the connection member is rotatably affixed at the other end to the second generally hollow projection.

23. A communications earpiece, comprising:

15 a transducer enclosure portion;

a transducer housed generally within the transducer enclosure portion; and

a sound horn; wherein

the sound horn is adjustable in relation to the transducer enclosure portion in all three physical dimensions.

20 24. In a communications earpiece, an improvement comprising:

a connecting tube for connecting and acoustically coupling a transducer enclosure to an ear bud; and

an elongated projection for insertion into one end of the connecting tube; wherein

25 the connecting tube can be rotated about the elongated projection; and further wherein

the connecting tube can be move longitudinally along at least a portion of the length of the elongated projection.